

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/597,173
Source: IFW
Date Processed by STIC: 8/24/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWO

RAW SEQUENCE LISTING

DATE: 08/24/2006

PATENT APPLICATION: US/10/597,173

TIME: 15:19:46

Input Set : F:\APP SER NO 10597173 (sequence list).txt

Output Set: N:\CRF4\08242006\J597173.raw

1 <110> APPLICANT: GENEIN CO., LTD.
 2 KIM, Cheol-Min
 3 PARK, Hee-Kyung
 5 <120> TITLE OF INVENTION: Oligonucleotide for genotyping of Mycoplasma, microarray
 6 comprising the oligonucleotide, and method for detection of
 7 species using the microarray
 9 <130> FILE REFERENCE: PN053079
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/597,173
 C--> 11 <141> CURRENT FILING DATE: 2006-07-13
 11 <160> NUMBER OF SEQ ID NOS: 133
 13 <170> SOFTWARE: KopatentIn 1.71
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 344
 17 <212> TYPE: DNA
 18 <213> ORGANISM: M.bovis
 20 <400> SEQUENCE: 1
 21 ttctacggag tacacttgtc ttttatcact ataaaaaaaa gacttataac caaaattact 60
 23 agacctatat ttatttataa acgtcatggc ttttattaat aggtcaaaag ctatatatct 120
 25 agttttgaga gaacattctc tcatatgttc ttgaaaact gaatagtaaa atatttttcg 180
 27 atattttacaa cgacatcaaa aatcaaatta atggttaatt tgttttgatt catcgagtaa 240
 29 gtcatattta atatgattca ttgaaatgtc ttaaaatata catctaaaac taacaacaat 300
 31 aggaaaatac tactttttaa taaggaagag tttttggttg atgc 344
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 196
 36 <212> TYPE: DNA
 37 <213> ORGANISM: M.cloacale
 39 <400> SEQUENCE: 2
 40 cttctacgga gtacaattct cactgttatg gaattaaatt tgtatccagt tttgagagaa 60
 42 ctttctctca attttgttct ttgaaaactg aatatagaca ttgaaatcaa taaattaata 120
 44 tttcaaatgt ttagatcaac ctatagaata ttcaagacat atacaaaaat aggtcatact 180
 46 tatatttata aatact 196
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 196
 51 <212> TYPE: DNA
 52 <213> ORGANISM: M.falconis
 54 <400> SEQUENCE: 3
 55 ctttctacgg agtacaactt ctggttatgga ataatatattg tatccagttt tgagagtact 60
 57 aactctcttt ttgttctttg aaaactgaat atcgacattg aaaaattatt aattaatatt 120
 59 tcaaagttaa gatcaaccta tagaatacaa aatatagac aacaataggt catacaacaa 180
 61 acataacaaa acaact 196
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 239
 66 <212> TYPE: DNA

*see
pp 2, 6*

**Does Not Comply
Corrected Diskette Needed**

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Input Set : F:\APP SER NO 10597173 (sequence list).txt

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67 <213> ORGANISM: M.faucium
69 <400> SEQUENCE: 4
70 gaatggtggc ttcgagacta aaagttatgg aaaaacatcg tatccagttt tgagagaact      60
72 aaacttctct cttttgttct ttgaaaactg aatatagaca ttgaaaatta aaaaattaat      120
74 atttcaaagt ttagatcaac ctatagaata caaaatcaat acaataggtc aatactatac      180
76 aattgcataa caaaaaatac tattaaacaa gataagagtt tttggtggat gcaattgta      239
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 340
81 <212> TYPE: DNA
82 <213> ORGANISM: M.spermatophilum
84 <400> SEQUENCE: 5
85 gtgggggatgg atcacctcct ttctacggag tacaacata cattcaaatt ttgactgaat      60
87 gttattaacc ttattttttc actaggcctt tttaatatat tttgttatgt gacttttatg      120
89 gcctaaaagt cttatatcta gttttgagag gacatcctct ctaattgttc tttgaaaact      180
91 gaatagtaaa ttttttgata tttacaacga catctaaata attgaattaa gtcaatttgt      240
93 ttagatttca tcgagatagt cattttaaaa aaatgattca ttgaaatgtc ttaaaataca      300
95 catcaaaaca aacaatctat acaataggaa tttatatact      340
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 322
100 <212> TYPE: DNA
101 <213> ORGANISM: M.synoviae
103 <400> SEQUENCE: 6
104 tccttacgga gtacattaat tttaaaaaag gcatttttat taactgaaag cttttagaga      60
106 aaaattctaa aagcgggttg gtatcgcttt ttttgccctg ggctattgta tttagttttg      120
108 agagaacaac ctctcttaaa attgttcttt gaaaactaaa tagtaataaa gatattacaa      180
110 cgacatcaaa aatataaatt aattaagggtt aatttgtttt gataccgagt ttaaattatt      240
112 gaataataat ttattaaaat gtctttgaat acatcataac aatataacaa taggacatat      300
114 tgatactaac ttttaaaaaa gt      322
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 15
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Probe for detecting Mycoplasma
126 <400> SEQUENCE: 7
127 ttctttgaaa actga      15
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 20
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Probe for detecting Mycoplasma
139 <400> SEQUENCE: 8
W--> 140 rwtctttvaa aactrratw needs explanation, see p.6 for even explanation 20
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 21
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:

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RAW SEQUENCE LISTING

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Input Set : F:\APP SER NO 10597173 (sequence list).txt

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149 <223> OTHER INFORMATION: Probe for detecting M. arginini, etc.
 152 <400> SEQUENCE: 9
 153 mwtygtrtcc agttttgaga g 21
 156 <210> SEQ ID NO: 10
 157 <211> LENGTH: 21
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: Probe for detecting M. arginini, etc.
 165 <400> SEQUENCE: 10
 166 tttagatcaa cctatagaat a 21
 169 <210> SEQ ID NO: 11
 170 <211> LENGTH: 21
 171 <212> TYPE: DNA
 172 <213> ORGANISM: Artificial Sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
 178 <400> SEQUENCE: 11
 179 rtatytagtt ttgagagrrc a 21
 182 <210> SEQ ID NO: 12
 183 <211> LENGTH: 21
 184 <212> TYPE: DNA
 185 <213> ORGANISM: Artificial Sequence
 187 <220> FEATURE:
 188 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
 191 <400> SEQUENCE: 12
 192 wwtrattyat traaatgtct t 21
 195 <210> SEQ ID NO: 13
 196 <211> LENGTH: 17
 197 <212> TYPE: DNA
 198 <213> ORGANISM: Artificial Sequence
 200 <220> FEATURE:
 201 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
 204 <400> SEQUENCE: 13
 205 ggkyaatttg tttwgat 17
 208 <210> SEQ ID NO: 14
 209 <211> LENGTH: 18
 210 <212> TYPE: DNA
 211 <213> ORGANISM: Artificial Sequence
 213 <220> FEATURE:
 214 <223> OTHER INFORMATION: Probe for detecting M. bovis, etc.
 217 <400> SEQUENCE: 14
 218 ratatttaca mcgmcayc 18
 221 <210> SEQ ID NO: 15
 222 <211> LENGTH: 21
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial Sequence
 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: Probe for detecting M. muris, etc.

RAW SEQUENCE LISTING

DATE: 08/24/2006

PATENT APPLICATION: US/10/597,173

TIME: 15:19:46

Input Set : F:\APP SER NO 10597173 (sequence list).txt

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230 <400> SEQUENCE: 15
231 cctcctttct atcgagatam a
234 <210> SEQ ID NO: 16
235 <211> LENGTH: 21
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Probe for detecting M. muris, etc.
243 <400> SEQUENCE: 16
244 cggattctat ttagttttga g
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 21
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
256 <400> SEQUENCE: 17
257 taaaatagat accttaakat a
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 17
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
269 <400> SEQUENCE: 18
270 gtatyyagtt ttgaaag
273 <210> SEQ ID NO: 19
274 <211> LENGTH: 16
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Probe for detecting M. neurolyticum, etc.
282 <400> SEQUENCE: 19
283 cttgccaawt agwtwt
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Probe for detecting M. genitalium, etc.
295 <400> SEQUENCE: 20
296 awacracaat ctttctagtt c
299 <210> SEQ ID NO: 21
300 <211> LENGTH: 21
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Probe for detecting M. genitalium, etc.
308 <400> SEQUENCE: 21

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RAW SEQUENCE LISTING

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TIME: 15:19:46

Input Set : F:\APP SER NO 10597173 (sequence list).txt

Output Set: N:\CRF4\08242006\J597173.raw

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309 aataagttac taagggtta t 21
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 18
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
321 <400> SEQUENCE: 22
322 tcatcatatt cagttttg 18
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 21
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
334 <400> SEQUENCE: 23
335 gggcctrtag ctcagytggt t 21
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 21
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
347 <400> SEQUENCE: 24
348 agagcrcwgc cytgataagc g 21
351 <210> SEQ ID NO: 25
352 <211> LENGTH: 21
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
360 <400> SEQUENCE: 25
361 wgrggtcgat ggttcragtc c 21
364 <210> SEQ ID NO: 26
365 <211> LENGTH: 21
366 <212> TYPE: DNA
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
373 <400> SEQUENCE: 26
374 tcatcatatt cagttttgar r 21
377 <210> SEQ ID NO: 27
378 <211> LENGTH: 21
379 <212> TYPE: DNA
380 <213> ORGANISM: Artificial Sequence
382 <220> FEATURE:
383 <223> OTHER INFORMATION: Probe for detecting Acholeplasma
386 <400> SEQUENCE: 27
387 agtccttgaa aagtagataa a 21

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VARIABLE LOCATION SUMMARY DATE: 08/24/2006
PATENT APPLICATION: US/10/597,173 TIME: 15:19:47

Input Set : F:\APP SER NO 10597173 (sequence list).txt
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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:8; N Pos. 20

VERIFICATION SUMMARY

DATE: 08/24/2006

PATENT APPLICATION: US/10/597,173

TIME: 15:19:47

Input Set : F:\APP SER NO 10597173 (sequence list).txt

Output Set: N:\CRF4\08242006\J597173.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:140 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8
L:140 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0